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Claims

We claim:

1. A method of controlling Dipteran larvae comprising the step of introducing a larvicidally-effective amount of a combination of a strain of Bacillus thuringiensis subspecies israelensis and a strain of Bacillus sphaericus into an environment containing Dipteran larvae.

 The method of claim 1 wherein said strain of Bacillus thuringiensis subspecies israelensis is non-genetically modified.

3. The method of claim 1 wherein said strain of *Bacillus* sphaericus is non-genetically modified.

4. The method of claim 1 wherein said strain of *Bacillus* thuringiensis subspecies israelensis is non-genetically modified and said strain of *Bacillus sphaericus* is non-genetically modified.

5. The method of claim 1 wherein said combination has from about 1:10 to about 10:1 weight ratio of *Bacillus thuringiensis* subspecies *israelensis* to *Bacillus sphaericus*.

6. The method of claim 1 wherein said combination has from about 1:3 to about 3:1 weight ratio of *Bacillus thuringiensis* subspecies *israelensis* to *Bacillus sphaericus*.

7. The method of claim 1 wherein said combination has from about 1:2 to about 2:1 weight ratio of *Bacillus thuringiensis* subspecies *israelensis* to *Bacillus sphaericus*.

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- 8. The method of claim 1 wherein said combination has a 1:1 ratio of *Bacillus thuringiensis* subspecies *israelensis* to *Bacillus sphaericus*.
- 5 9. The method of claim 1 wherein said Dipteran is a mosquito.
 - 10. The method of claim 9 wherein said mosquito is selected from the group consisting of *Culex pipiens*, *Culex quinquefasciatus*, *Aedes aegypti*, *Culex tarsalis*, *Culiseta incidens*, *Anopheles freeborni* and combinations thereof.
 - 11. A method for inhibiting larvicidal resistance in Diptera comprising the step of introducing a larvicidally-effective amount of a combination of a strain of *Bacillus thuringiensis* subspecies *israelensis* and a strain of *Bacillus sphaericus* into an environment containing Dipteran larvae.
 - 12. The method of claim 11 wherein said strain of *Bacillus thuringiensis* subspecies *israelensis* is non-genetically modified.
 - 13. The method of claim 11 wherein said strain of *Bacillus sphaericus* is non-genetically modified.
- The method of claim 11 wherein said strain of Bacillus
 thuringiensis subspecies israelensis is non-genetically modified and said strain of Bacillus sphaericus is non-genetically modified.
 - 15. The method of claim 11 wherein said combination has from about 1:10 to about 10:1 weight ratio of *Bacillus thuringiensis* subspecies *israelensis* to *Bacillus sphaericus*.

- 16. The method of claim 11 wherein said combination has from about 1:3 to about 3:1 weight ratio of *Bacillus thuringiensis* subspecies *israelensis* to *Bacillus sphaericus*.
- 5 17. The method of claim 11 wherein said combination has from about 1:2 to about 2:1 weight ratio of *Bacillus thuringiensis* subspecies israelensis to *Bacillus sphaericus*.
- 18. The method of claim 11 wherein said combination has a 1:1 ratio of *Bacillus thuringiensis* subspecies *israelensis* to *Bacillus sphaericus*.
 - 19. The method of claim 11 wherein said Diptera is Culex.
 - 20. The method of claim 11 wherein larvicidal resistance is developed against *Bacillus sphaericus*.
 - 21. The method of claim 11 wherein said Diptera is a mosquito.
- 22. The method of claim 21 wherein said mosquito is selected from the group consisting of Culex pipiens, Culex quinquefasciatus, Aedes aegypti, Culex tarsalis, Culiseta incidens, Anopheles freeborni and combinations thereof.
- 23. A composition comprising:a combination of a strain of *Bacillus thuringiensis* subspeciesisraelensis and a strain of *Bacillus sphaericus*.
- The composition of claim 23 wherein said strain of Bacillus
 thuringiensis subspecies israelensis is non-genetically modified.
 - 25. The composition of claim 23 wherein said strain of *Bacillus* sphaericus is non-genetically modified.

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- 26. The composition of claim 23 wherein said strain of *Bacillus* thuringiensis subspecies israelensis is non-genetically modified and said strain of *Bacillus sphaericus* is non-genetically modified.
- 27. The composition of claim 23 wherein said combination has from about 1:10 to about 10:1 weight ratio of *Bacillus thuringiensis* subspecies *israelensis* to *Bacillus sphaericus*.
- 10 28. The composition of claim 23 wherein said combination has from about 1:3 to about 3:1 weight ratio of *Bacillus thuringiensis* subspecies *israelensis* to *Bacillus sphaericus*.
 - 29. The composition of claim 23 wherein said combination has from about 1:2 to about 2:1 weight ratio of *Bacillus thuringiensis* subspecies *israelensis* to *Bacillus sphaericus*.
 - 30. The composition of claim 23 wherein said combination has a 1:1 ratio of *Bacillus thuringiensis* subspecies *israelensis* to *Bacillus sphaericus*.
 - 31. The composition of claim 23 further comprising an additional component selected from the group consisting of a surface active agent, an inert carrier, a preservative, a humectant, a feeding stimulant, an attractant, an encapsulating agent, a binder, an emulsifier, a dye, a U.V. protectant, a buffer, a drift control agent, a spray deposition aid, a free-flow agent and combinations thereof.
 - 32. The composition of claim 23 wherein slurries of both strains are spray dried.
 - 33. The composition of claim 32 wherein the slurries are spray dried separately.

34. The composition of claim 32 wherein the slurries are mixed together and the mixture is spray dried.